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	7590 09/16/200 X & OWENS LLP	EXAMINER		
162 N WOLFE	ROAD	PATEL, MUNJALKUMAR C		
SUNNYVALE, CA 94086			ART UNIT	PAPER NUMBER
			2617	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Commence		Арі	olication No.	Applicant(s)	Applicant(s)			
		10/	574,737	HARRIS ET AL.	HARRIS ET AL.			
Office Action Summary			ıminer	Art Unit				
		Mui	njal Patel	2617				
Period fo	The MAILING DATE of this commun or Reply	ication appears	on the cover sheet	with the correspondence a	ddress			
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Status								
1)[\	Responsive to communication(s) file	ed on 22 July 20	ากร					
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3)		<i>′</i> —		atters, prosecution as to the	e merits is			
٥,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	•	•	·				
		ling in the appli	cation					
•	Claim(s) <u>1-12 and 15-17</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed.							
	Claim(s) <u>1-12 and 15-17</u> is/are rejec	ted						
·	Claim(s) <u>1-12 and 13-11</u> is/are rejected to.	ieu.						
•	· · · ———	tion and/or alor	otion requirement					
اـــا(٥	Claim(s) are subject to restrict	ction and/or elec	mon requirement.					
Applicati	on Papers							
9) 🔲	The specification is objected to by the	e Examiner.						
10)🛛	The drawing(s) filed on <u>04/03/2006</u> i	s/are: a)⊠ aco	cepted or b)□ obje	cted to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including	the correction is	required if the drawir	ng(s) is objected to. See 37 C	FR 1.121(d).			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (P nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	PTO-948)	Paper N	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application 				

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DETAILED ACTION

Claim Objections

1. Claim 1 objected to because of the following informalities: Claim 1 uses term Gateway Switching Centre which is not defined in specification. Examiner assumes it to be Gateway Mobile Switching Centre for action on merits. Appropriate correction is required.

2. Claim 2, 3, 4 & 15 are also objected due to dependency on claim 1 for the reason as above.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 5 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claim 5 recites a home location database, however, there are no physical components or structural elements claimed as part of the home location database, therefore, its considered descriptive material/expression per se and is not statutory because it could be considered as software or a data structure which are non-statutory.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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- 3. Claims 1, 2, 6-12, and 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shmulevich et al. (US PGPUB # US 2001/0036173 A1 published on Nov. 1, 2001), herein after referred as Shmulevich, in view of GSM 3GPP TS23.040 V4.8.0, 06/2003, herein after referred as TS 23.040.
- 4. Regarding claim 1, Shmulevich discloses system for convergence of telephone signaling, voice and data over packet-switched network which reads on a telecommunications system for communicating a Short Message Service (SMS) message to a user equipment using a subscriber identity number terminating on an Internet Protocol network using an Internet Protocol (IP)(Shmulevich: Abstract & Fig 1 & 2 along paragraph 0008, 0009), the system comprising a short message service centre (SM-SC) (Shmulevich: paragraph 0007 & Fig 2:42), a gateway mobile switching centre (GMSC) (Shmulevich: Fig 2:72) of an SMS network for communicating SMS messages, an Internet Protocol/SMS (IP/SMS) gateway (Shmulevich: Fig 5:112, Fig 3A: 74 & paragraph 0019 & 0020, 0054) for communicating between the SMS network and the IP network and a home location database (HLR/HSS) (Shmulevich: paragraph 0073, 0074) for maintaining address data identifying a current location of a user equipment, however Shmulevich fails to disclose details, definitions & functionality of the gateway mobile switching centre being operable in response to the SMS message received from the short message service

centre to interrogate the home location database for an address to which the SMS message should be sent, the home location database being operable to provide the gateway mobile switching centre with an address of the IP/SMS gateway stored in association with the subscriber identity number, the gateway switching centre (examiner assumes GMSC for compact prosecution but appropriate correction required as per objection above) being operable to send the SMS message to the IP/SMS gateway, the IP/SMS gateway being operable to retrieve an Internet Protocol address corresponding to the subscriber identity number stored in an IP/SMS database associated with the IP/SMS gateway and to communicate the SMS message to the user equipment at the retrieved IP address via the IP network, wherein the IP network includes an authentication server which is operable to determine the IP/SMS gateway address from the IP network via which the user equipment is communicating, and to communicate the IP/SMS gateway address to the home location database, the IP/SMS gateway address being stored in the home location database in association with the subscriber identity number for retrieval by the gateway mobile switching centre in response to the received SMS message.

However, the examiner maintains that it was well known in the art to provide details and definitions of the gateway mobile switching centre being operable in response to the SMS message received from the short message service centre to interrogate the home location database for an address to which the SMS message should be sent (Functionality define by the standard TS 23.040: page 26, fig 5 & page 27, Section 5.2.1. line [1-2]), the home location database being operable to

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provide the gateway mobile switching centre with an address of the IP/SMS gateway stored in association with the subscriber identity number (Definition of SMS-GMSC define by standard TS 23.040: page 26, fig 5 & page 9, Section 2.2.1 The subscriber identity number used with the databases is the International Mobile Subscriber Identity [IMSI]), the gateway switching centre being operable to send the SMS message to the IP/SMS gateway (Definition of SMS-GMSC & MSC/SGSN by standard TS 23.040: page 26, fig 5 & page 9, Section 2.2.1), the IP/SMS gateway being operable to retrieve an Internet Protocol address corresponding to the subscriber identity number stored in an IP/SMS database associated with the IP/SMS gateway (Definition of MSC/SGSN TS 23.040: page 26, fig 5 & page 9, Section 2.2.1), and to communicate the SMS message to the user equipment at the retrieved IP address via the IP network (TS 23.040 section 2.1.1 MSC/SGSN described as performing packet switching which indicates having a database that provides appropriate labels for switching), wherein the IP network includes an authentication server (TS 23.040: page 92, Fig 16a: note 1 indicates authentication procedure which indicates presence of authentication server via IP network) which is operable to determine the IP/SMS gateway address from the IP network via which the user equipment is communicating, and to communicate the IP/SMS gateway address to the home location database (MNRR definition describes when SGSN address is communicated to HLR as defined by TS 23.040: Page 14), the IP/SMS gateway address being stored in the home location database in association with the subscriber identity number for retrieval by the gateway mobile switching centre in response to the received SMS message (TS

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23.040 section 2.1.1 describes that the gateway holds SMS routing information which would include IP and SMS address information and IMSI number).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of Shmulevich with the teachings of TS 23.040 for the purpose of providing compatibility with the 3GPP standard.

- 5. Regarding claim 2, Shmulevich in view of TS 23.040 discloses everything in claim 1 as above, wherein the authentication server is operable to determine the IP address of the user equipment when communicating via the IP network (Shmulevich: Fig 6 & paragraph 0059 indicates use of LAN & WAN, in both the case wireless router performs this operation on internet), and to communicate the IP address of the user equipment to the IP/SMS gateway for storing in the IP/SMS database associated with the IP/SMS gateway for retrieval by the IP/SMS gateway in response to the received SMS message (IP addresses are part of internet IP packets, and the storage of these addresses is equivalent to routing tables in gateways which maps it to appropriate address in connecting network, here its mapping from IP network to cellular network).
- 6. **Regarding claim 6**, Shmulevich in reference of TS 23.040 discloses a method of communicating a Short Message Service (SMS) message to a user equipment using a subscriber identity number terminating on an Internet Protocol (IP) network using an

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Internet Protocol (IP) (Shmulevich: Abstract & Fig 2: 76, along paragraph 0008, 0009), the method comprising maintaining address data identifying a current location of the user equipment in a home location database (Shmulevich: Fig 2, paragraph 0025 lines[8-12] & TS 23.040 uses GMSC, SMSC & SME gateways, and HLR database), receiving the SMS message at a gateway mobile switching centre (GMSC) of an SMS network for communicating the SMS message, providing, to the gateway mobile switching centre, from the home location database an address of an Internet Protocol/SMS gateway for communicating between the SMS network and the IP network (Shmulevich: Fig 2 & TS 23.040 Section 4 describes messaging gateways [SMS-GMSC] with attached HLR database connecting to the SC and SME), sending the SMS message to the IP/SMS gateway, retrieving the IP address corresponding to the subscriber identity number from an IP/SMS database associated with the IP/SMS gateway (Shmulevich: Fig 2 & TS 23.040 section 2.1.1 describes that the gateway holds SMS routing information which would include IP/SMS address information, and TS 23.040 section 3.8 describes SMS and Internet Email interworking), and communicating the SMS message to the user equipment at the retrieved IP address via the IP network (descriptive of internet operation), wherein the maintaining the address data comprises determining the IP/SMS gateway address from the IP network via which the user equipment is communicating using an authentication server connected to the IP network (Shmulevich: Fig 2, paragraph [0022 -0024] describes IP router, Paragraph 0025 describes HSS which authenticates the user), communicating the IP/SMS gateway address from the authentication server to the home location database (Shmulevich: Fig 2, & paragraph 0029).

However Shmulevich fails to discloses specifically storing the IP/SMS gateway address in the home location database in association with the subscriber identity number for retrieval in response to the received SMS message. Examiner maintains that it was well known in the art to provide storing the IP/SMS gateway address in the home location database in association with the subscriber identity number for retrieval in response to the received SMS message (TS 23.040 section 2.1.1 describes that the gateway holds SMS routing information which would include IP/SMS address information) as taught by TS 23.040.

Therefore it would have been obvious to one of the ordinary skill in the art at the time invention was made to modify Shmulevich by specifically providing storing the IP/SMS gateway address in the home location database in association with the subscriber identity number for retrieval in response to the received SMS message as taught by TS 23.040 for the purpose of providing compatibility with 3GPP standard.

Regarding claim 7, Shmulevich in view of TS 23.040 discloses a method as claimed in Claim 6 as above, along with the method comprising determining the IP address of the user equipment when communicating via the IP network (Shmulevich: paragraph 0023-0025 discloses IP router with encryption (HSS authentication) operating attached to the internet), communicating the IP address of the user equipment to the IP/SMS gateway (Shmulevich: paragraph 0026 lines [1-13]), and storing the IP address of the user equipment in an IP/SMS database associated with the

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IP/SMS gateway (TS 23.040 section 2.1.1 describes that the gateway holds SMS routing information which would include IP/SMS address information), the IP address being stored in association with the subscriber identity number for retrieval in response to the received SMS message (TS 23.040 Section 4 describes messaging gateways [SMS-GMSC] with attached HLR database).

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- 7. Regarding claim 8, Shmulevich in view of TS 23.040 discloses a method as claimed in Claim 6 or 7 as above comprising setting a flag in the home location database for at least the subscriber identity number of the user equipment, the flag being indicative of whether the user equipment is currently communicating via the IP network, the address of the IP/SMS gateway to which SMS messages should be sent being stored in association with the flag (TS 23.040 section 3.8.2.3 defines the Optional Control Flag which is user defined, here it is defined to provide information regarding UE's busy using IP network for the purpose of enabling decision to provide alternate means of routing).
- 8. **Regarding claim 9**, Shmulevich in view of TS 23.040 discloses everything in Claim 8 as above, along with setting the flag in the home location database to indicate that the user equipment is currently communicating via the IP terminated network, and not setting the flag to indicate that the SMS message should be communicated via a serving support node of a cellular mobile radio network for delivery to the user equipment (**this limitation is read as use the flag in a binary fashion, wherein SET**

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selects IP communication, and CLEARED selects mobile communication but this describes the opposite logical state of the flag described in claim 8, this claim is rejected for the same reason as claim 8).

9. Regarding claim 10, Shmulevich in view of TS 23.040 discloses a telecommunications system for communicating a Short Message Service (SMS) message to a user equipment using a subscriber identity number terminating on an Internet Protocol (IP) network using an Internet Protocol (IP) (Shmulevich: Fig 2 & TS 23.040 Fig 5 & section 4 describes a network from a Mobile Station to a service center [SC] that connects to short message entity [SME] on a fixed network outside the GSM network, and is capable of interconnecting messages with these external networks, and TS 23.040 section 2.1.1 describes that the gateway SMS-GMSC holds SMS routing information), the system comprising means for maintaining address data identifying a current location of the user equipment in a home location database (Shmulevich: Fig 2 & TS 23.040 Fig 5 along with definition of SMS-GMSC describes function of MSC capable of receiving a SMS from SC, interrogating an HLR for routing information and SMS information and delivering SMS to the SGSN of the recipient MS), means for receiving the SMS message at a gateway mobile switching centre (GMSC) of an SMS network for communicating the SMS message (text is descriptive of GSM network), means for providing, to the gateway mobile switching centre, from the home location database an address of an Internet Protocol/SMS gateway for communicating between the SMS network and the

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IP network (TS 23.040 section 2.1.1 describes that the gateway holds SMS routing information which would include IP/SMS address information), means for sending the SMS message to the IP/SMS gateway (TS 23.040 section 4 describes the SME connected to the SMS-GMSC), means for retrieving the IP address corresponding to the subscriber identity number from an IP/SMS database associated with the IP/SMS gateway (Shmulevich: Fig 2 & TS 23.040 SMS-GMSC with HLR database attached), and means for communicating the SMS message to the user equipment at the retrieved IP address via the IP network (descriptive of internet operation).

However Shmulevich fails to disclose the means for maintaining the address data comprises means for determining from an authentication server forming part of the IP network the IP/SMS gateway address from the IP network via which the user equipment is communicating, means for communicating the IP/SMS gateway address from the authentication server to the home location database and means for storing the IP/SMS gateway address in the home location database in association with the subscriber identity number for retrieval in response to the received SMS message however Examiner maintains that it will well known in the art to provide means for determining from an authentication server forming part of the IP network the IP/SMS gateway address from the IP network via which the user equipment is communicating (TS 23.040 Fig 18 b, c, d describes MS getting authenticated by VLR which is connected to SGSN), means for communicating the IP/SMS gateway address from the authentication server to the home location database (TS 23.040 Fig 5 describes VLR communicating to HLR via SGSN and SMSC-GMSC), and means for storing the

IP/SMS gateway address in the home location database in association with the subscriber identity number for retrieval in response to the received SMS message (TS 23.040 section 2.1.1 describes that the gateway holds SMS routing information which would include IP/SMS address information as taught by TS 23.040.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Shmulevich by specifically providing means for determining from an authentication server forming part of the IP network the IP/SMS gateway address from the IP network via which the user equipment is communicating means for communicating the IP/SMS gateway address from the authentication server to the home location database, and means for storing the IP/SMS gateway address in the home location database in association with the subscriber identity number for retrieval in response to the received SMS message as taught by TS 23.040 for the purpose of providing compatibility with 3GPP standard.

Regarding claim 11, Shmulevich in view of TS 23.040 discloses everything in claim 10 as above, along with means for determining an Internet Protocol (IP) address of the user equipment when communicating via the IP network (descriptive of initialization of device on internet), means for communicating the IP address of the user equipment to an IP/SMS gateway (descriptive of routing of IP packets on internet), and means for storing the IP address of the user equipment in the IP/SMS database associated with the IP/SMS gateway (descriptive of Registering of IP address of UE & associated SGSN to VLR), the IP address being stored in

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association with the subscriber identity number, for retrieval in response to the SMS message (TS 23.040 Section 4 describes messaging gateways SGSN with attached VLR database).

- 10. Regarding claim 12, Shmulevich in view of TS 23.040 discloses everything in Claim 10 as above along with means for setting a flag in the home location database for at least the subscriber identity number of the user equipment, a flag indicative of whether the user equipment is currently communicating via the IP network, the address of the IP/SMS gateway to which SMS messages should be sent being stored in association with the flag (Shmulevich in view of TS 23.040 uses the SC and SME gateways to connect to IP networks, and the HLR database stores addressing data based on International Mobile Subscriber Identity [IMSI] and the Optional Control Flag can be user defined).
- 11. **Regarding claim 15**, Shmulevich in view of TS 23.040 discloses everything in claim 2 as above, wherein the home location database is arranged to set for at least the subscriber identity number of the user equipment, a flag indicative of whether the user equipment is currently communicating via the IP network, the address of the IP/SMS gateway to which SMS messages should be sent being stored in association with the flag (TS 23.040 section 3.8.2.3 defines the Optional Control Flag which is user defined to control email redirection).

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- 12. Regarding claim 16, Shmulevich in view of TS 23.040 discloses everything in claim 7 as above along with setting a flag in the home location database for at least the subscriber identity number of the user equipment, the flag being indicative of whether the user equipment is currently communicating via the IP network, the address of the IP/SMS gateway to which SMS messages should be sent being stored in association with the flag (TS 23.040 section 3.8.2.3 defines the Optional Control Flag, which can be redefined or extended by the either the SC or SME to control email redirection at the SMS-GMSC for the purpose same as claim 8).
- 13. Regarding claim 17, Shmulevich in view of TS 23.040 discloses everything in claim 11 as above along with means for setting a flag in the home location database for at least the subscriber identity number of the user equipment, a flag indicative of whether the user equipment is currently communicating via the IP network, the address of the IP/SMS gateway to which SMS messages should be sent being stored in association with the flag (TS 23.040 Section 4 describes messaging gateways [SMS-GMSC] with attached HLR database, holding SMS routing information which would include IP/SMS address information, for further specifics TS 23.040 section 3.2.6 describes 'The Mobile Station Not Reachable Flag (MNRF) within the HLR' that explicitly describes whether the mobile is available to communicate via SMS, and from TS 23.040 section 2.1.1 the HLR database stores other address information, and TS 23.040 section 3.8.2.3 defines the Optional Control Flag at the which can be redefined or extended by the either the SC or SME to control email

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redirection).

14. Claims 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shmulevich in view of TS 23.040 as applied to claim 3-6 above, and further in view of Uyless Black (Mobile & Wireless Networks published in 1999) herein after referred as Uyless.

15. Regarding claim 3, Shmulevich in view of TS 23.040 discloses system as claimed in Claim 1 as above, wherein the home location database is arranged to set for at least the subscriber identity number of the user equipment (TS 23.040 section 2.1.1 HLR stores MSIN by definition), a flag indicative of whether the user equipment is currently communicating via the IP network, the address of the IP/SMS gateway to which SMS messages should be sent being stored in association with the flag (HLR stores the routing information & SMS information by definition, TS 23.040 section 2.1.1 SMS-GMSC).

However Shmulevich in view of TS 23.040 fails to disclose a flag indicative of whether the user equipment is currently communication via the ip network, however, the examiner maintains that it was well known in the art to provide a flag indicative of whether the user equipment is currently communication via the ip network (Mobile & Wireless networks by uyless black: page 317 line [22-26] GPRS class A & B monitors packet switched system which refers to having indicator or flag to monitor) as taught by Uyless.

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Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Shmulevich in view of TS 23.040 by specifically providing a flag indicative of whether the user equipment is currently communication via the ip network as taught by Uyless for the purpose of providing uninterrupted service.

- 16. Regarding claim 4, Shmulevich in view of TS 23.040 in further view of Uyless discloses everything in Claim 3 as above along with the authentication server is operable to set the flag in the home location database to indicate that the user equipment is currently communicating via the IP terminated network (Mobile & Wireless networks by uyless black: page 317 line [22-26] GPRS class A & B monitors packet switched system), and if not set to indicate that the SMS message should be communicated via a serving support node of a cellular mobile radio network for delivery to the user equipment (TS 23.040 section 3.8.2.3 defines the Optional Control Flag at the which can be redefined or extended by the either the SC or SME to control email redirection). This claim is rejected for the same motivation/purpose as in claim 3.
- 17. Regarding claim 5, Shmulevich in view of TS 23.040 discloses a home location database for maintaining address data identifying a current location of a user equipment (TS 23.040 Section 2.1.1 describes the home location data base HLR implemented as a function in the gateway MSC [SMS-GMSC] hardware), the address data providing an address to which an SMS message addressed to the user equipment at a

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subscriber identity number should be sent (TS 23.040 section 2.1.1 the gateway holds **SMS routing information**), wherein the home location database is arranged to provide a gateway mobile switching centre with an address of an IP/SMS gateway for communicating the SMS message to the user equipment at the subscriber identity number (TS 23.040 Section 4 describes messaging gateways [SMS-GMSC] with attached HLR database), when the user equipment is communicating via an Internet Protocol (IP) network using an Internet Protocol communication being terminated on the IP network (Shmulevich: Fig 2), the address of the IP/SMS gateway being provided by an authentication server (TS 23.040: page 92, Fig 16a: note 1 indicates authentication procedure which indicates presence of authentication server), which determines the IP/SMS gateway from the IP network via which the user equipment (description of IP functionality) is communicating the home location database being arranged to store for at least the subscriber identity number of the user equipment (TS 23.040 section 2.1.1 describes that the gateway holds SMS routing information which includes IP, SMS address information and IMSI number), a flag indicative of whether the user equipment is currently communicating via the IP network and-if the flag is set to indicate that the user equipment is currently communicating via the IP network, an address of the IP/SMS gateway to which SMS messages should be sent (TS 23.040 section 3.8.2.3 defines the Optional Control Flag which can be redefined or extended by the SC or SME to control email redirection). However Shmulevich in view of TS 23.040 fails to disclose a flag indicative of whether the user equipment is currently communicating via the IP network, however examiner maintains

that it was well known in the art to provide a flag indicative of whether the user equipment is currently communicating via the IP network (Mobile & Wireless networks by uyless black: page 317 line [22-26] GPRS class A & B monitors packet switched system) as taught by Uyless.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Shmulevich in view of TS 23.040 by specifically providing a flag indicative of whether the user equipment is currently communicating via the IP network as taught by Uyless for the purpose of providing uninterrupted service.

Response to Arguments

- 18. Applicant's arguments filed on 07/21/2008 have been fully considered but they are not persuasive regarding claim 5 for the following reasons.
 - a. Applicant argues that a home location database is a physical entity found in mobile telecommunication network. The specification provided by applicant does not provide grounds to support the claimed home location database as being physical entity. Specifically, at page 4, line 9 of the specification; it discloses that the home location database is intended to provide a generic expression.
 - b. Applicant also argues that its further taught in specification that home location database is operable to provide the gateway mobile switching centre with an address of IP/SMS gateway stored in the home location database in association with the subscriber identity number & home location database

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maintains address data identifying a current location of a user equipment, this argument is moot as the rejection is for the reason of the claim 5 is claiming software/program/data structure per se.

19. Applicant's arguments with respect to claims 1-12 and 15-17 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Munjal Patel whose telephone number is (571)270-5541. The examiner can normally be reached on Monday - Friday 9:00 AM - 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rafael Perez-Gutierrez can be reached on 571-272-7915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Munjal Patel Examiner Art Unit 2617

/MP/

/Rafael Pérez-Gutiérrez/

Supervisory Patent Examiner, Art Unit 2617